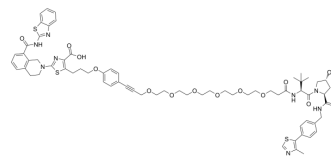


## PROTAC Bcl-xL degrader-2

<b>Cat. No.:</b>	HY-139309		
<b>Molecular Formula:</b>	C <sub>68</sub> H <sub>80</sub> N <sub>8</sub> O <sub>14</sub> S <sub>3</sub>		
<b>Molecular Weight:</b>	1329.6		
<b>Target:</b>	Bcl-2 Family; PROTACs		
<b>Pathway:</b>	Apoptosis; PROTAC		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (75.21 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		0.7521 mL	3.7605 mL	7.5211 mL
		<b>5 mM</b>		0.1504 mL	0.7521 mL	1.5042 mL
<b>10 mM</b>		0.0752 mL	0.3761 mL	0.7521 mL		
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 10 mg/mL (7.52 mM); Suspended solution; Need ultrasonic					

### BIOLOGICAL ACTIVITY

<b>Description</b>	PROTAC Bcl-xL degrader-2 is a potent Bcl-xL (Bcl-2 family member) degrader based on von Hippel-Lindau ligand, with an IC <sub>50</sub> of 0.6 nM.	
<b>IC<sub>50</sub> &amp; Target</b>	Bcl-xL 0.6 nM (IC <sub>50</sub> )	VHL
<b>In Vitro</b>	<p>PROTAC Bcl-xL degrader-2 (PROTAC 6; 0.1 nM-10 μM; 24 hours) treatment decreases the level of Bcl-xL protein in THP-1 cells [1].</p> <p>PROTAC Bcl-xL degrader-2 (PROTAC 6) inhibits caspase 3/7 activity in MOLT-4 cells with an IC<sub>50</sub> of 466 nM<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Western Blot Analysis<sup>[1]</sup></p>	
	Cell Line:	THP-1 cells

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Concentration:	0.1 nM-10 $\mu$ M
Incubation Time:	24 hours
Result:	Led to monotonic decreases in observed Bcl-xL protein.

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## REFERENCES

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[1]. Chun-Wa Chung, et al. Structural Insights into PROTAC-Mediated Degradation of Bcl-xL. ACS Chem Biol. 2020 Sep 18;15(9):2316-2323.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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